

CLAIMS

1. Sealing band (9) for a projectile (1), the band being characterised in that it comprises a front sub-band (11) containing at least two sectors, the sub-band having at least
5 a conical profile (13a, 13b) in a tight fit with the matching profile (14a, 14b) of a groove of the projectile, the cone tip being placed towards a rear section of the projectile, with the sub-band (11) attached to the projectile by a cylindrical skirt (12).
- 10 2. Sealing band according to claim 1, characterised in that the skirt (12) has on its internal surface means (15) to allow its friction-type connection with the sub-band (11).
3. Sealing band according to claim 2, characterised in that the skirt (12) has an internal circular collar (35) for
15 the sub-band (11).
4. Sealing band according to any of claims 1 to 3, characterised in that it has a layer (20) of a sealing material placed at the rear of the sub-band (11) or the internal collar (35) of the skirt (12).
- 20 5. Sealing band according to any of claims 1 to 4, characterised in that the skirt (12) has a length between 50% and 80% of the calibre.
6. Sealing band according to any of claims 1 to 5, characterised in that each sub-band (11) sector has at the
25 level of each of its lateral edges at least one indentation (16) intended to cooperate with a corresponding indentation (17) of a neighbouring sector so as to form a sealing deflecting plate (18) for the propellant gases.
7. Sealing band according to claim 6, characterised in
30 that a flexible sealing material (19) is placed in the (deflecting) plates (18) and at the level of a rear section of the sub-band (11).
8. Sealing band according to any of claims 1 to 7, characterised in that the skirt (12) of the band (9) is over-
35 calibre at the level of a rear section (9b).
9. Sealing band according to any of claims 1 to 8, characterised in that it is of sub-calibre at least at the level of a front section (9a).

10. Arrow projectile (1) comprising a sub-calibre core (4) held by a sabot (3) with a calibre made of at least two segments, said projectile having a band (9) according to claim 9 and characterised in that the sabot (3) has a pusher
5 plate (PP) located axially in front of the transversal plane (PM) passing through the gravity centre of the complete projectile, the pusher plate containing at least one groove for the sub-band (11) to fit in.

11. Arrow projectile according to claim 10 and
10 integrating a band according to claim 6, characterised in that the deflecting plates (18) separating the various sub-band (11) sectors are alternatively integrated with the plan lines (22) separating the segments of the sabot (3).

12. Arrow projectile according to any of claims 10 to 11,
15 characterised in that each segment from the sabot (3) has a rear calibre guiding support (30).

13. Arrow projectile according to any of claims 10 to 12, characterised in that each segment of the sabot (3) has a reinforcing rib (33) extending longitudinally to the back of
20 the pusher plate (PP).

14. Arrow projectile according to claim 13, characterised in that the rib (33) is in contact with the skirt (12) of the band (9).

15. Arrow projectile according to claim 14, characterised
25 in that the skirt (12) of the band is provided with longitudinal internal grooves (34) in which the ribs (33) are fitted in.

16. Ammunition consisting of a casing (2) enclosing a propellant charge and including a projectile according to any
30 of claims 10 to 15, the ammunition characterised in that the skirt (12) of the band is attached to a fastening ring (6) fixed at the casing (2).

17. Ammunition according to claim 16, characterised in that part of the propellant charge is placed in the skirt
35 (12) of the band.